

## Seminar in Plant, Animal, and Microbial Biotechnology

**HRT/CSS/ANS/BAE 461**

Spring Semester 2025

Thursday 3:00 – 3:50 pm

A-159 Plant and Soil Science Building

- Week 1.** Jan. 16. Introduction.
- Week 2.** Jan. 23. Dr. Kevin Childs, Director, MSU Genomics Core Facility. Tour MSU Genomics Core Facilities.
- Week 3.** Jan. 30. Guest Speaker. Dr. Craig Richael, Director of Research. Simplot Plant Sciences. **Cisgenic technology.**
- Week 4.** Feb. 6. Webinar Dr. Dan Carlson: Chief Scientific Officer and Senior Vice President of Research and Development, Recombinetics. **Livestock gene editing, overview and applications.**
- Week 5.** Feb. 12. Guest Speaker. Dr. Veronica Vallejo, Director, Global Energy Beverage Platform, PepsiCo, Inc. **From Plant Breeding to Consumer Insights.**
- Week 6.** Feb. 20 Guest Speaker. Dr. William M. (Mose) Moseley, Retired Director of Global Development & Operations and Global Project Team Leader (Pfizer, Zoetis). **Your career is your responsibility.**
- Week 7.** Feb. 24 Guest Speaker Dr. Maricelis Acevedo, Research Professor and the Director of the Feed the Future Insect-Resistant Eggplant Partnership, Cornell University. **From Innovation to Cultivation: The BT Eggplant Journey, Insights from the Past and Partnerships for a Sustainable Future.**
- Week 8.** March 13. Guest speaker. Dr. Wen Huang, Associate Professor, Department of Animal Science, MSU. **Applications of Genomics in Animal Breeding.**
- Week 9.** March 20. Webinar. Dr. Diane Broek, Trans Ova Genetics. **Advancement in Assisted Reproductive Technology in Livestock.**
- Week 10.** March 27. Lecture. Dr. Wei Liao, Professor, Department of Biosystems and Agricultural Engineering. **Current Applications of Microbial Processing for Biofuel/Chemical Production.**
- Week 11.** April 3. Field trip. **MSU Anaerobic Digestion Research and Education Center (ADREC) and MSU Anaerobic Digestion and Algal Cultivation Facility.** Contact: Dr. Wei Liao

**Week 12.** April 10. Field trip. **MSU Dairy Cattle Teaching & Research Center.** Contact: Dr. Wei Liao

**Week 13.** April 17. Field trip. **Biological Waste-Water Treatment.** East Lansing Waste-Water Treatment Plant. Contact: Dr. Wei Liao

**Week 14.** April 24. Field trip. Neogen, Lansing MI. Dr. Jason Lilly, Vice President, Neogen Corp. **Diagnostics Technologies.**

**Final** May 1. (5:45PM-7:45PM). Case study/student presentation